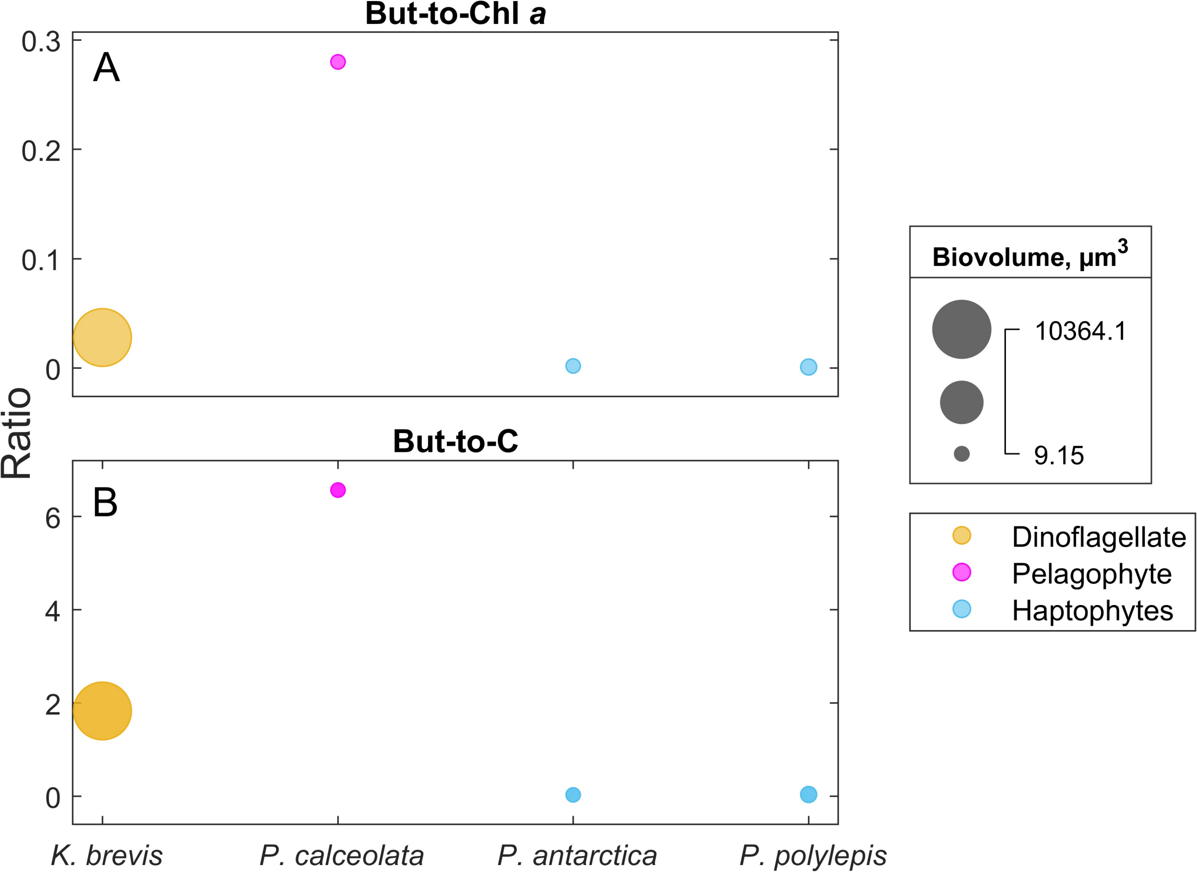
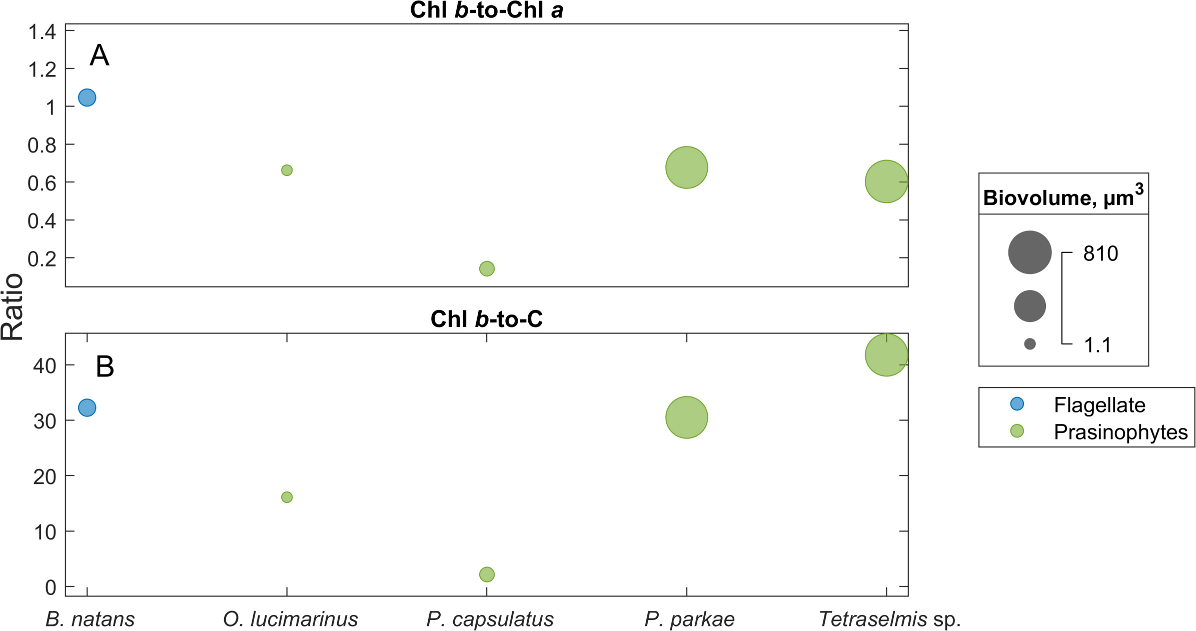
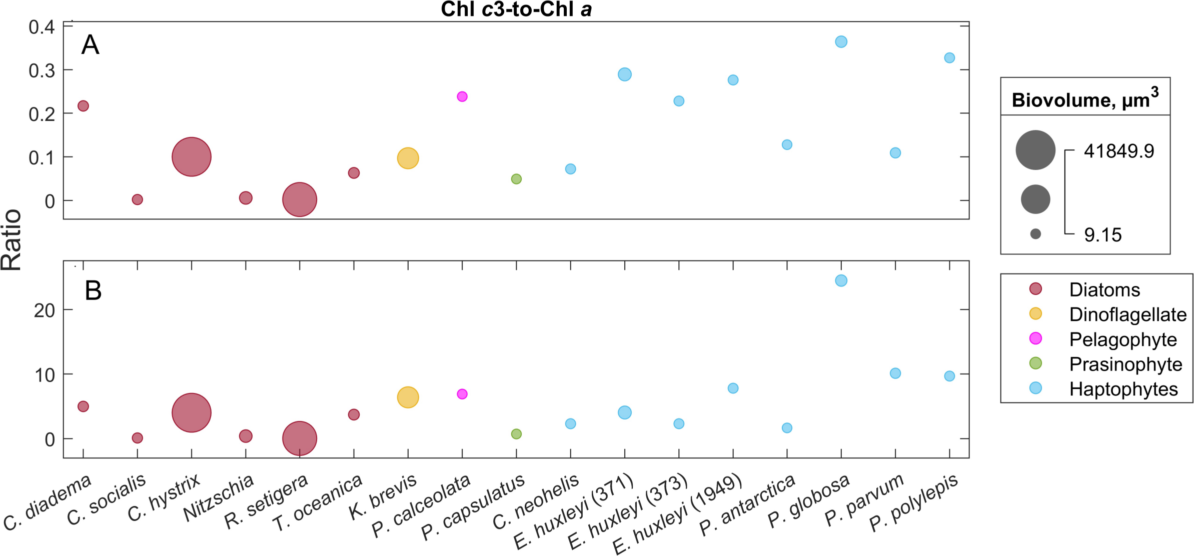
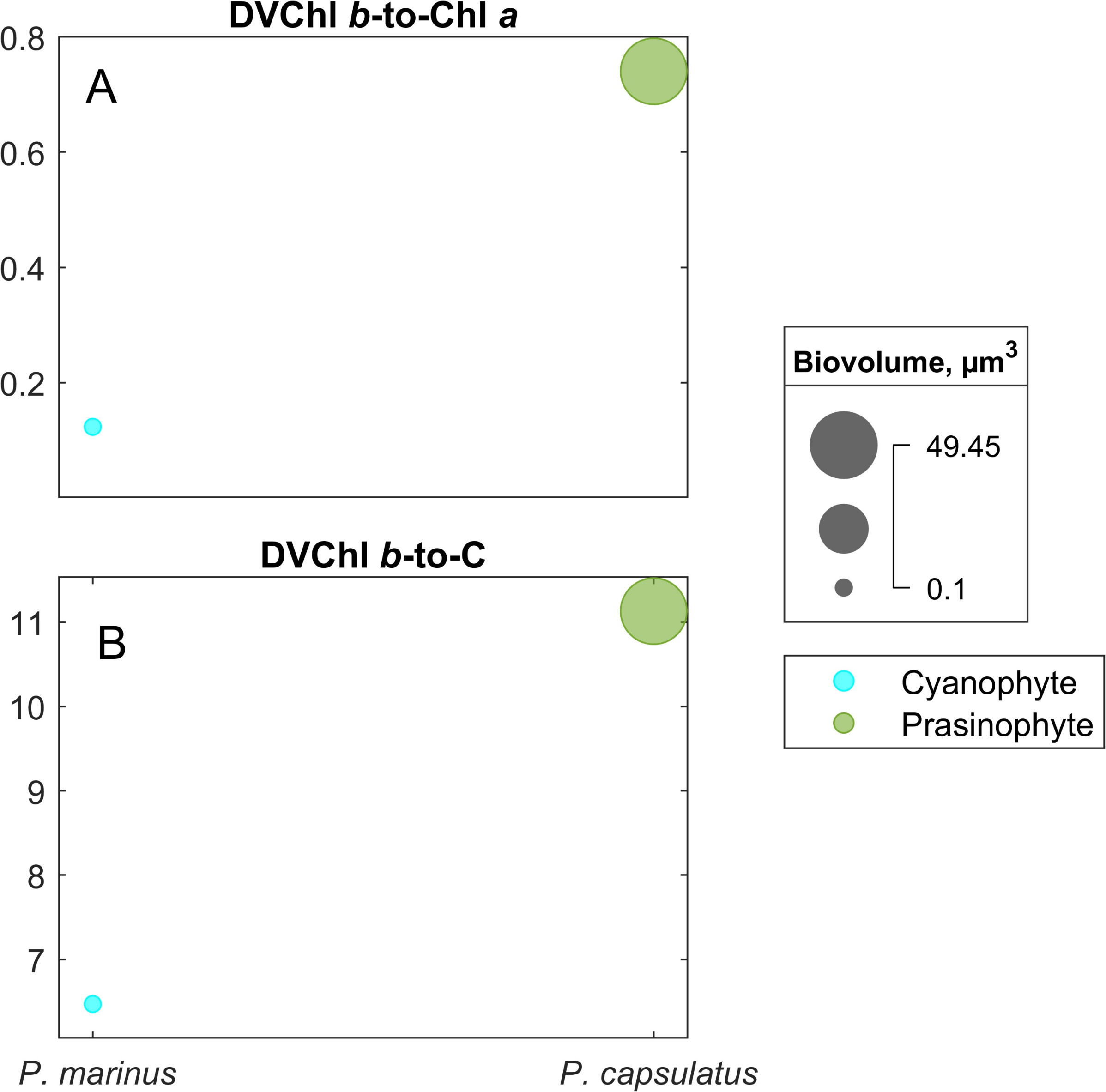
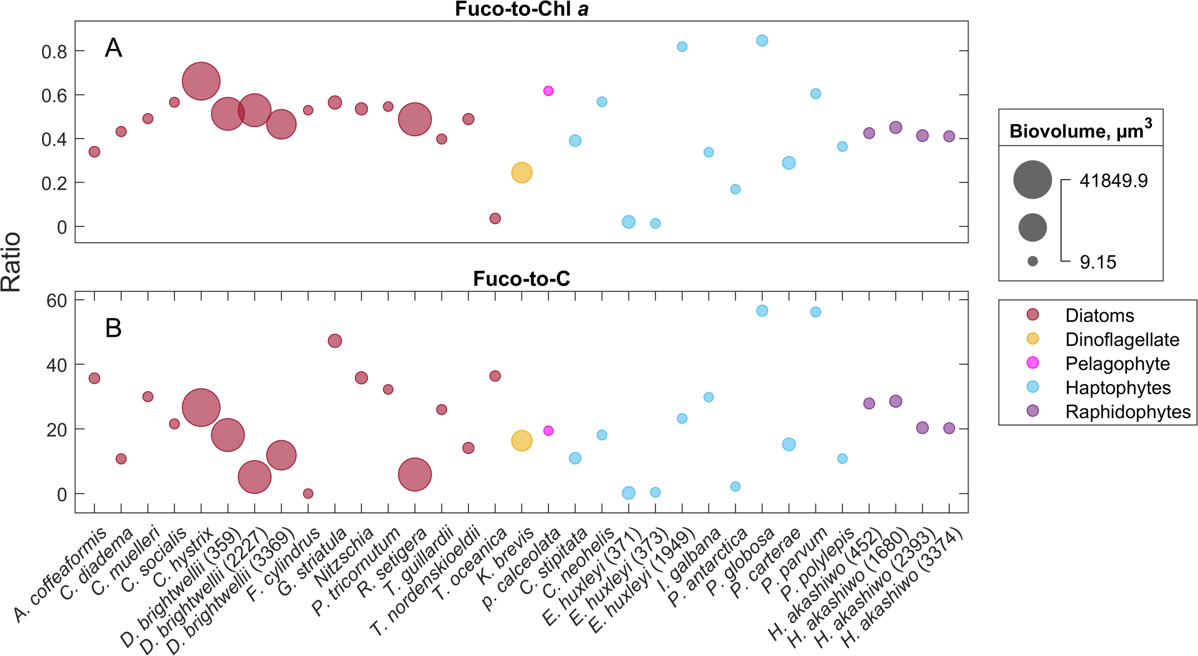
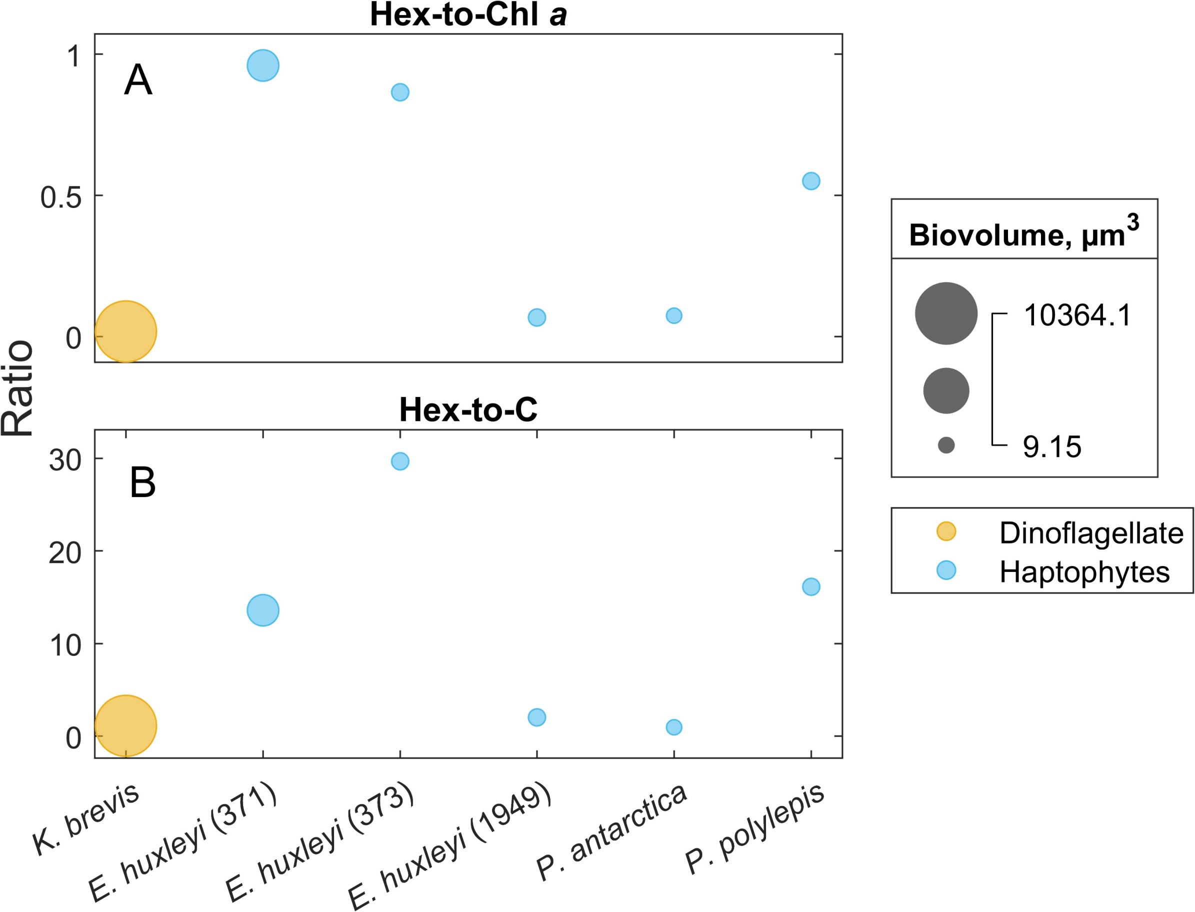

But-to-Chl *a*
A
0.3
0.2
0.1
0
Ratio
But-to-C
B
6
4
2
0
K. brevis
P. calceolata
P. antarctica
P. polylepis
Biovolume, µm³
10364.1
9.15
Dinoflagellate
Pelagophyte
Haptophytes

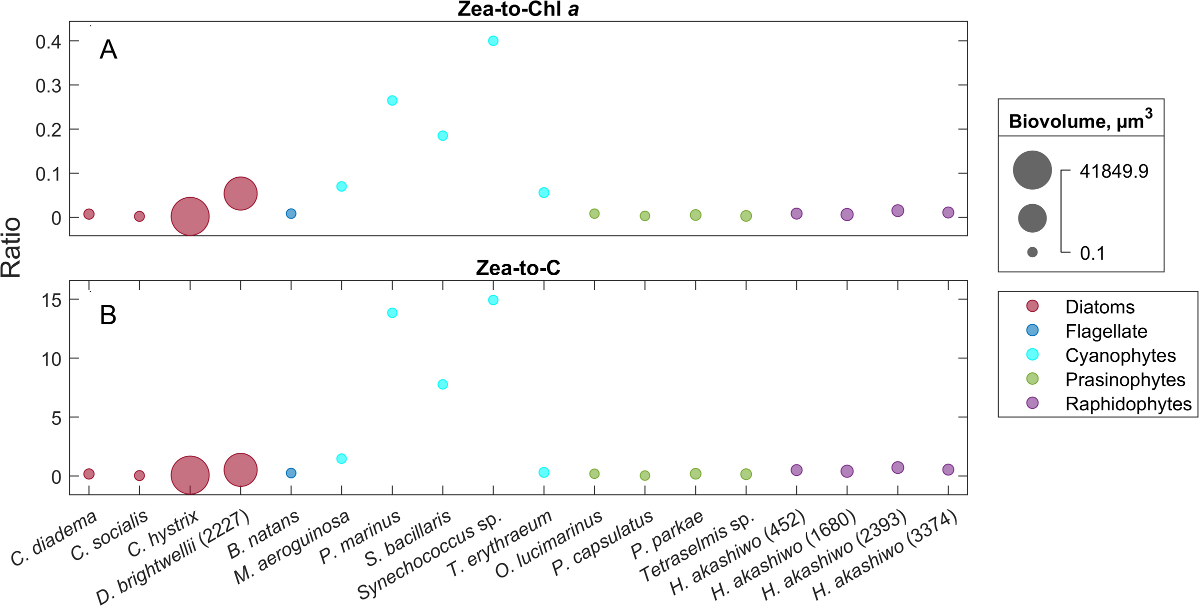
Chl *b*-to-Chl *a*
A
1.4
1.2
1
0.8
0.6
0.4
0.2
Ratio
Chl *b*-to-C
B
40
30
20
10
0
B. natans
O. lucimarinus
P. capsulatus
P. parkae
Tetraselmis sp.
Biovolume, μm³
810
1.1
Flagellate
Prasinophytes


Chl c3-to-Chl a
A
B
Ratio
0.4
0.3
0.2
0.1
0
20
10
0
Biovolume, μm3
41849.9
9.15
Diatoms
Dinoflagellate
Pelagophyte
Prasinophyte
Haptophytes
C. diadema
C. socialis
C. hystrix
Nitzschia
R. setigera
T. oceanica
K. brevis
P. calceolata
P. capsulatus
C. neohelis
E. huxleyi (371)
E. huxleyi (373)
E. huxleyi (1949)
P. antarctica
P. globosa
P. parvum
P. polylepis


DVChl *b*-to-Chl *a*
A
0.8
0.6
0.4
0.2
DVChl *b*-to-C
B
11
10
9
8
7
P. marinus
P. capsulatus
Biovolume, μm³
49.45
0.1
Cyanophyte
Prasinophyte


Fuco-to-Chl *a*
A
0.8
0.6
0.4
0.2
0
Ratio
Fuco-to-C
B
60
40
20
0
A. coffeaformis
C. diademа
C. muelleri
C. socialis
C. hystrix
D. brightwellii (359)
D. brightwellii (2227)
D. brightwellii (3369)
F. cylindrus
G. striatula
Nitzschia
P. tricornutum
R. setigera
T. guillardii
T. nordenskioeldii
T. oceanica
K. brevis
p. calceolata
C. stipitata
C. neohelis
E. huxleyi (371)
E. huxleyi (373)
E. huxleyi (1949)
I. galbana
P. antarctica
P. globosa
P. carterae
P. parvum
P. polylepis
H. akashiwo (452)
H. akashiwo (1680)
H. akashiwo (2393)
H. akashiwo (3374)
Biovolume, µm³
41849.9
9.15
Diatoms
Dinoflagellate
Pelagophyte
Haptophytes
Raphidophytes


Hex-to-Chl *a*
A
1
0.5
0
Ratio
Hex-to-C
B
30
20
10
0
K. brevis
E. huxleyi (371)
E. huxleyi (373)
E. huxleyi (1949)
P. antarctica
P. polylepis
Biovolume, µm3
10364.1
9.15
Dinoflagellate
Haptophytes


Zea-to-Chl *a*
A
0.4
0.3
0.2
0.1
0
Ratio
Zea-to-C
B
15
10
5
0
C. diadema
C. socialis
C. hystrix
D. brightwellii (2227)
B. natans
M. aeroguinosa
P. marinus
S. bacillaris
Synechococcus sp.
T. erythraeum
O. lucimarinus
P. capsulatus
P. parkae
Tetraselmis sp.
H. akashiwo (452)
H. akashiwo (1680)
H. akashiwo (2393)
H. akashiwo (3374)
Biovolume, μm³
41849.9
0.1
Diatoms
Flagellate
Cyanophytes
Prasinophytes
Raphidophytes